Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/06/2018 10:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125024	0	2.34	125027	2.33
Blue	F	SSC	125000	123857	-1	1.98	124565	1.98
Blue	E	FITC	15760	15602	-2	3.02	338	23.47
Blue	D	PE	25880	25151	-3	2.04	548	17.53
Blue	B	PerCP-Cy5-5	34075	33869	-1	4.35	1036	23.80
Blue	A	PE-Cy7	22776	22582	-1	7.72	544	46.48
Red	C	APC	42488	41722	-2	2.79	1567	13.34
Red	A	APC-Cy7	24478	24045	-2	3.02	824	13.21
Violet	B	V450	6304	6127	-3	4.36	341	18.53
Violet	A	V500	26005	24542	-6	3.89	574	14.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20615	11.03	613	16	N/A	N/A	Pass
Blue	F	SSC	56173	1.37	582	27	N/A	N/A	Pass
Blue	E	FITC	59	77.66	566	10	0.0142	207	Pass
Blue	D	PE	115	59.67	559	10	0.1151	293	Pass
Blue	B	PerCP-Cy5-5	194	58.01	663	16	0.0066	64	Pass
Blue	A	PE-Cy7	107	117.05	715	18	0.0088	34	Pass
Red	C	APC	369	28.51	604	4	0.0203	171	Pass
Red	A	APC-Cy7	201	28.78	575	4	0.0045	778	Pass
Violet	B	V450	53	87.37	499	10	0.0246	2294	Pass
Violet	A	V500	86	53.76	514	8	0.0121	1753	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.48	-30.83	0.95
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	16.23	13.60 - 20.40	N/A	N/A	30.69	31.41	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12000

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments